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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/589,429	11/03/2006	Sigmund Niklas	08146.0016U1	9454
23859	7590	06/05/2009		
Ballard Spahr Andrews & Ingersoll, LLP			EXAMINER	
SUITE 1000			ARBES, CARL J	
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ATLANTA, GA 30309-3915			PAPER NUMBER	
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			06/05/2009	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/589,429

Applicant(s)

NIKLAS ET AL.

Examiner

C. J. Arbes

Art Unit

3729

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 May 2009.
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3 and 6-14 is/are pending in the application.
4a) Of the above claim(s) 7-10 is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) 1-3, 6 and 11-14 is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-8508)
Paper No(s)/Mail Date herein.
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____.
5) ☐ Notice of Informal Patent Application.
6) ☐ Other: _____

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-3, 6 and 11-14 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Applicants do not provide an operating device because they claim only an optical inspection device and a pivoting element with certain recited features. Applicants fail to recite any means (in of claims 1 and 11) that are attached to or "operatively associated" with the recited ... pivoting element... such that a operable device is provided. There should be at least one other "means" or structural member onto which the pivoting element is at least operatively associated in order to make an operable device. As a result of Applicants non-recited claims the claims are held to be incomplete, unclear, vague and indefinite.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-3, 6 and 11-14, assuming that the claims are clear and definite, are further rejected under 35 U.S.C. 103(a) as being unpatentable over Arikado (Pat. No. 7,047,632 B2); hereinafter Arikado.

Arikado teaches a method of mounting electronic components supplied in a face-up status from a parts feeder onto a board. A flip chip supplied from a 1st holding table is

removed and flipped over by a take-out head and delivered to a mounting head which mounts the component on the board (Cf. Abstract). Above a pick-up position at which take-out head 9 or mounting head 4 picks up a component is a 1st camera 5 that can take an image of of chip 13 or die 14. A 2nd camera 8 is in movable block 6 for obtaining an image of flip chip 13 held by mounting head 4. Based on the results of a 1st recognizer controller 23 controls the parts feeder 25 so that die 14 or flip chip 13 is exactly positioned at the pick-up position. Based on the 2nd recognizer 24, controller 23 controls the lead carriage 22 so that a traveling amount of mounting head 4 is corrected and that the head 4 mounts the flip chip in the exact target location on the board 3. (Cf. Col. 3) If in fact Arikato does not explicitly teach providing 2 pickup elements fixed to points on a pivoting part extended from an axis of rotation of the pivoting part wherein the 2 pick-up elements are substantially 180 degrees from each other it would have been obvious for one of ordinary skill in this art to construct this limitation give the Arikato teaching inasmuch as this would involve addition of one more pick-up element (or take-out head 9) on the opposite side of the element 9.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to C. J. Arbes whose telephone number is 571-272-4563. The examiner can normally be reached on M, T, R and F from 8 to 6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, D. Banks, can be reached on (571) 272-4419. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/C. J. Arbes/

Primary Examiner, Art Unit 3729